

Skywire Nano Global 4G LTE-M

NL-SWN-LTE-NRF9160-D

Product Change Notification

NimbeLink Corp.

Updated: November 2021



© NimbeLink Corp. 2021. All rights reserved.

NimbeLink Corp. provides this documentation in support of its products for the internal use of its current and prospective customers. The publication of this document does not create any other right or license in any party to use any content contained in or referred to in this document and any modification or redistribution of this document is not permitted.

While efforts are made to ensure accuracy, typographical and other errors may exist in this document. NimbeLink reserves the right to modify or discontinue its products and to modify this and any other product documentation at any time.

All NimbeLink products are sold subject to its published Terms and Conditions, subject to any separate terms agreed with its customers. No warranty of any type is extended by publication of this documentation, including, but not limited to, implied warranties of merchantability, fitness for a particular purpose and non-infringement.

NimbeLink is a registered trademark, and Skywire is a registered trademark, of NimbeLink Corp. All trademarks, service marks and similar designations referenced in this document are the property of their respective owners.

Table of Contents

Introduction	3
Migration Overview	4
Contact Information	4
Document Version Information	5

1. Introduction

Over their lifetimes, Skywire® modems may experience several firmware and hardware updates provided by NimbeLink and cellular module manufacturers. These updates improve communication, fix bugs, and add features to the modem's firmware. NimbeLink will stay current with the latest hardware and firmware releases. It is recommended that customers test and apply these new versions as they become available.

The purpose of this PCN is to notify customers of a new FW version and orderable part number for the Skywire Nano.

The NL-SWN-LTE-NRF9160-C Skywire Nano modem, which has cellular module hardware version NRF9160-SICA-B1A, cellular module firmware version "mfw_nrf9160_1.1.4", and NimbeLink application firmware version "v1.1.0" is being replaced by the NL-SWN-LTE-NRF9160-D.

The NL-SWN-LTE-NRF9160-D uses cellular module hardware version NRF9160-SICA-B1A, cellular module firmware version "mfw_nrf9160_1.1.4", and NimbeLink application firmware version "v1.2.0".

Part Number	Module HW Version	Module FW Version	NL App Version
NL-SWN-LTE-NRF9160-C	NRF9160-SICA-B1A	mfw_nrf9160_1.1.4	v1.1.0
NL-SWN-LTE-NRF9160-D	NRF9160-SICA-B1A	mfw_nrf9160_1.1.4	v1.2.0

This new version improves device functionality, namely:

- LWM2M is now disabled by default in the modem firmware. This means that Skywire Nano modems will no longer attempt to automatically attach to the network at boot or reset.
 - Users will now need to set CFUN=1 after boot and reset.

For more information on the changes, refer to the new firmware's release notes page:

https://developer.nimbelink.com/skywire_nano/firmware_releases/v1-2-0/

Updated documentation for the NL-SWN-LTE-NRF9160-D can be found on the modem's product page:

<https://nimbelink.com/products/4g-lte-m-global-nano/>

Developer resources and SDK documentation can be found at the following link:

https://developer.nimbelink.com/skywire_nano/firmware_releases/

2. Migration Overview

NL-SWN-LTE-NRF9160-C modems may be upgraded to the new firmware version by the end-user.

Current Skywire Nano customers interested in upgrading the firmware on their modems can refer to the instructions on the release notes page. For additional help, customers can email product.support@nimbelink.com with the subject line *"NL-SWN-LTE-NRF9160-D Upgrade"*.

NL-SWN-LTE-NRF9160-C devices are End-of-Life. Customers should contact sales@nimbelink.com for long-term support. The part will still be available until inventory is depleted.

3. Contact Information

For further information please contact NimbeLink at:

sales@nimbelink.com

4. Document Version Information

Revision	Description	Date
A	Preliminary document release	11/19/21